Filename:PMP10650_BOM.xlsVariant:NoneGenerated:8/7/2015 5:47:09 PM

Drone AUX SMPS

Designator	Description	Manufacturer	PartNumber	Quantity
PCB1	Printed Circuit Board	Any	PMP10650	1
	CAP, CERM, 4.7uF, 50V, +/-10%, X7R, 1206	MuRata	GRM31CR71H475KA12L	3
C4, C7	CAP, CERM, 0.1uF, 50V, +/-10%, X7R, 0402	TDK	C1005X7R1H104K050BB	2
C5	CAP, CERM, 4.7uF, 16V, +/-10%, X5R, 0603	MuRata	GRM188R61C475KAAJ	1
C6	CAP, CERM, 0.47uF, 25V, +/-10%, X7R, 0603	MuRata	GRM188R71E474KA12D	1
C8	CAP, CERM, 0.068 µF, 50 V, +/- 10%, X7R, 0603	MuRata	GRM188R71H683KA93D	1
C9, C10	CAP, CERM, 100uF, 6.3V, +/-20%, X5R, 1206	Taiyo Yuden	JMK316BJ107ML-T	2
C11	CAP, CERM, 3300 pF, 50 V, +/- 10%, X7R, 0603	MuRata	GRM188R71H332KA01D	1
C12	CAP, CERM, 330 pF, 50 V, +/- 10%, X7R, 0603	Kemet	C0603C331K5RACTU	1
C13	CAP, AL, 47uF, 50V, +/-20%, 0.68 ohm, SMD	Panasonic	EEE-FK1H470XP	1
C14	CAP, CERM, 10uF, 50V, +/-10%, X7R, 1210	MuRata	GRM32ER71H106KA12L	1
C15, C16	CAP, CERM, 0.1uF, 50V, +/-10%, X7R, 0603	AVX	06035C104KAT2A	2
C17	CAP, CERM, 0.47uF, 10V, +/-10%, X7R, 0603	Kemet	C0603C474K8RACTU	1
C18, C19,	CAP, CERM, 22uF, 16V, +/-20%, X7R, 1210	TDK	C3225X7R1C226M	3
C20				
C21	CAP, CERM, 1000 pF, 100 V, +/- 10%, X7R, 0603	AVX	06031C102KAT2A	1
C22	CAP, CERM, 2.2uF, 10V, +/-10%, X7R, 0603	MuRata	GRM188R71A225KE15D	1
FID1, FID2,	Fiducial mark. There is nothing to buy or mount.	N/A	N/A	3
FID3				
	Bumpon, Hemisphere, 0.44 X 0.20, Clear	3M	SJ-5303 (CLEAR)	4
H11, H12				
L1	Inductor, Shielded, Composite, 10 µH, 15.5 A, 0.01	Coilcraft	XAL1010-103MEB	1
	ohm, SMD			
L2	Inductor, Shielded, Powdered Iron, 2.2uH, 5.3A, 0.021	Toko	FDV0630-2R2M	1
	ohm, SMD			
LBL1	Thermal Transfer Printable Labels, 0.650" W x 0.200" H	Brady	THT-14-423-10	1
	- 10,000 per roll	T	000040500054	
Q1	MOSFET, N-CH, 60 V, 15 A, SON 5x6mm	Texas Instruments	CSD18563Q5A	1
Q2	MOSFET, N-CH, 100V, 71A, PG-TDSON-8	Infineon Technologies	BSC123N10LS G	1
R1, R3	RES, 0 ohm, 5%, 0.063W, 0402	Vishay-Dale	CRCW04020000Z0ED	2
R2	RES, 156 k, 0.1%, 0.1 W, 0603	Yageo America	RT0603BRD07156KL RT0805BRD071K76L	1
R4 R5	RES, 1.76k ohm, 0.1%, 0.125W, 0805 RES, 73.2k ohm, 1%, 0.063W, 0402	Yageo America	CRCW040273K2FKED	1
R5 R6	RES, 180 k, 5%, 0.1 W, 0603	Vishay-Dale Vishay-Dale	CRCW040273K2FKED CRCW0603180KJNEA	1
R0 R7	RES, 100 k, 5%, 0.1 W, 0603 RES, 10.0k ohm, 1%, 0.063W, 0402	Vishay-Dale	CRCW0603180KJNEA CRCW040210K0FKED	1
	RES, 0 ohm, 5%, 0.1W, 0603	Vishay-Dale	CRCW040210K0FKED CRCW06030000Z0EA	2
	RES, 100k ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW0603100KFKEA	2
R10, R13	RES, 4.99, 1%, 0.1 W, 0603	Vishay-Dale	CRCW06034R99FKEA	1
R12	RES, 50.5 k, 0.1%, 0.1 W, 0603	Yageo America	RT0603BRD0750K5L	1
R15	RES, 12.7 k, 1%, 0.1 W, 0603	Vishay-Dale	CRCW060312K7FKEA	1
TP1	Test Point, Multipurpose, White, TH	Keystone	5012	1
U1	SIMPLE SWITCHER® CONTROLLER, 42V	Texas Instruments	LM3150MH	1
	Synchronous Step-Down, 14-pin TSSOP-EP			
U2	6th GENERATION BUCK REGULATOR, PWP0016H	Texas Instruments	LM53603AQPWP	1
	PCB Pin, TH	Mill-Max	3125-2-00-34-00-00-08-0	2
vi, vi i			0.202.0001.0000000	4

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